

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
806	960022	5 EACH	12 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD MAST ARM MOUNT
806	960023	4 EACH	12 IN., 1-WAY, 3-SECTION (R.A.YA.GA.) SIGNAL HEAD MAST ARM MOUNT
806	960027	5 EACH	12 IN., 1-WAY, 4-SECTION (R.Y.G.GA.) SIGNAL HEAD MAST ARM MOUNT
813	973023	220 S.F.	SHEET ALUMINUM SIGNS  - 7 EACH R3-5 SIGN (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT ONLY" MAST ARM MOUNT  - 4 EACH D3-2 SIGN (VARIABLE x 32 IN.) - (ADVANCE STREET NAME PANEL) MAST ARM MOUNT  - 2 EACH R6-1(R) (36 IN. x 12 IN.) "ONE WAY" ONE PIECE FIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT;  M3-1 SIGN (24 IN. x 12 IN.) "NORTH" (FOR INDEPENDENT USE) M1-5 SIGN (30 IN. x 24 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW- HORIZONTAL"  - 1 EACH R6-1(R) (36 IN. x 12 IN.) "ONE WAY" ONE PIECE FIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT;  M3-1 SIGN (30 IN. x 15 IN.) "NORTH" (FOR INDEPENDENT USE) M1-5 SIGN (48 IN. x 36 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW- HORIZONTAL"  - 2 EACH R6-1(R) (36 IN. x 12 IN.) "ONE WAY" ONE PIECE FIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT;  M3-3 SIGN (24 IN. x 12 IN.) "SOUTH" (FOR INDEPENDENT USE) M1-5 SIGN (30 IN. x 24 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW- HORIZONTAL"  - 1 EACH R6-1(R) (36 IN. x 12 IN.) "ONE WAY" ONE PIECE FIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT;  M3-3 SIGN (30 IN. x 15 IN.) "SOUTH" (FOR INDEPENDENT USE) M1-5 SIGN (48 IN. x 36 IN.) "MARYLAND 235" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW- HORIZONTAL"

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. SECTION	ITEM No.	QUANTITY	DESCRIPTION
104	120500	L.S.	MAINTENANCE OF TRAFFIC
205	203030	1 C.Y.	TEST PIT EXCAVATION
104	500000	698 L.F.	FURNISH AND INSTALL 12 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK)
104	500000	230 L.F.	FURNISH AND INSTALL 24 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING TAPES (STOP LINE)
801	801004	10 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
804	837001	2 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
805	800000	10 L.F.	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	805150	60 L.F.	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
805	805160	122 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810	800000	9 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET 1000 FT. LEAD-IN
810	800000	2 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET 500 FT. LEAD-IN
810	802501	600 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
810	861104	2715 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED
810	861105	538 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
810	861106	1360 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
810	861107	135 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
810	861108	2345 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
810	861116	530 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
810	862101	4830 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
810	831010	2 EACH	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE
811	811001	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
814	860220	14 EACH	INSTALL SIGNAL HEADS - MAST ARM MOUNT
815	862102	1770 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
815	800000	2 EACH	FURNISH AND INSTALL 27 FT. STEEL POLE WITH TWIN 50 AND 60 FT. MAST ARMS ARM ON SIGNAL STRUCTURE
818	866103	2 EACH	FURNISH AND INSTALL 15 FT. LIGHTING
818	800000	600 L.F.	FURNISH AND INSTALL ELECTRICAL OPTICOM CABLE - 4 CONDUCTOR (NO. 20 AWG)
818	813015	220 S.F.	INSTALL OVERHEAD SIGN
810	800000	525 L.F.	FURNISH AND INSTALL COAXIAL CABLE (FOR AUTOSCOPE)
810	873001	L.S.	REMOVE AND SALVAGE EXISTING EQUIPMENT
810	860265	6 EACH	RELOCATE EXISTING SIGNAL HEAD
810	800000	3 EACH	RELOCATE EXISTING SIGN ON SPAN WIRE OR MAST ARM
810	800000	2 EACH	RELOCATE AND INSTALL OPTICOM DETECTOR
810	800000	2 EACH	INSTALL AUTOSCOPE
810	800000	6 EACH	UNCOVER SIGNAL HEADS

CONSTRUCTION DETAILS

- A. INSTALL 27' STEEL POLE WITH TWIN 50' AND 60' MAST ARMS, 15' LIGHTING ARM AND LUMINAIRE, TRAFFIC SIGNAL HEADS, SIGNS, RELOCATE OPTICOM DETECTOR, AND AUTOSCOPE AS NOTED (NOTE: 1 - 3" PVC 90 DEGREE ANGLE CONDUIT BENDS).
- B. INSTALL 6' x 30' LOOP DETECTOR, ENCASED IN 1/4" FLEXIBLE TUBING (3,6,3 TURNS) QUADRUPLE TYPE.
- C. INSTALL MICRO-LOOP PROBE SET.
- D. INSTALL HANDHOLE.
- E. INSTALL 1" LIQUID - TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- F. INSTALL 3" SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 3" SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- H. WIRE PEDESTRIAN POLE AND UNCOVER SIGNAL HEADS AS SHOWN.
- I. REMOVE AND SALVAGE EXISTING SIGNAL HEADS, WOOD POLE, BACK GUYS, AND SIGNAL CABLE, SPAN WIRE AS DIRECTED BY THE ENGINEER.
- J. REMOVE AND SALVAGE EXISTING WOOD POLE, BACK GUY, SIGNAL CABLE, AND SPAN WIRE AS DIRECTED BY THE ENGINEER.
- K. REMOVE EXISTING HANDHOLE.
- L. INSTALL 6' x 6' LOOP DETECTOR (4 TURNS) ENCASED IN 1/4" FLEXIBLE TUBING
- M. USE EXISTING HANDHOLE.
- N. USE EXISTING CONDUIT.
- O. CAP AND ABANDON EXISTING CONDUIT.
- P. REMOVE SIGNAL HEAD, SIGNS, AND UNUSED CABLE AS THE NEW SIGNALS ARE CUT OVER AND OR AS DIRECTED BY THE ENGINEER.
- Q. INSTALL 24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE)
- R. INSTALL 12" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK)
- S. REWIRE CONTROLLER AND REMOVE ALL UNUSED CABLE.

PHASE 3 AND FINAL  
SIGNAL PLAN

SS-17

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